

1 CLAIMS

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3 1. Data transmission system comprising a help desk workstation
4 (100) provided with the Telnet client function and connected to a Wide Area
5 Network WAN (115) and to the Public Switched Telephone Network PSTN
6 (130), and a Telnet manageable device (120) not provided with a modem and
7 to which said help desk workstation may gain access by using the Telnet
8 protocol;

9 said system being characterized in that it comprises a data processing
10 device (110) provided with the proxy function and being connected to said
11 PSTN and to said Telnet manageable device by the intermediary of a Local
12 Area Network LAN (125), said data processing device including proxy means
13 for completing a first Telnet connection with said help desk workstation
14 through said PSTN and for establishing a second Telnet connection with said
15 Telnet manageable device upon receiving a request from said help desk
16 workstation so that this one can gain the Telnet access to said Telnet
17 manageable device.

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19 2. Data transmission system according to claim 1, wherein said
20 telnet client function corresponds to a legacy Telnet client and wherein said
21 proxy means are adapted to gain access to the default gateway configured in
22 the IP stack of said data processing device upon receiving a request from said
23 help desk workstation.

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25 3. Data transmission system according to claim 1, wherein said
26 Telnet client function corresponds to a legacy Telnet client and wherein said
27 proxy means are adapted to gain access to an IP address in a file including
28 the IP address for the Telnet protocol.

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30 4. Data transmission system according to claim 2 or 3, wherein
31 said proxy means modify the IP address of the request message received
32 from said help desk workstation (100) before sending said request message
33 with the modified IP address to said Telnet manageable device (120)

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1 5. Data transmission system according to any one of claims 1 to 4
2 wherein said proxy means establish said second connection with said Telnet
3 manageable device (120) through said LAN (125).
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5 6. Data transmission system according to any one of claims 1 to 4,
6 wherein said proxy means establish said connection with said Telnet
7 manageable device (120) through a link from the COM port of said data
8 processing device (110) and the console port of said Telnet manageable
9 device.
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11 7. Data transmission system according to claim 1, wherein said
12 Telnet client function corresponds to a proprietary function adapted to make
13 an encapsulation of the Telnet commands included in the request sent by said
14 help desk workstation (100) to said data processing device (110) including
15 said proxy means, the latter means being adapted to get said Telnet
16 commands from the encapsulated commands received from said desk
17 workstation.
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19 8. Data transmission system according to claim 1, wherein said
20 proxy means are constituted of a program installed in said data processing
21 device.